

The image shows the front cover of an antique book. The cover is decorated with marbled paper featuring a repeating pattern of red, green, and tan wavy, scale-like shapes. The spine, visible on the left, is made of worn, light-colored leather with some of the outer layer missing, revealing the underlying board material. A small, rectangular, off-white paper label is affixed to the lower-left corner of the cover. The label contains the following text:

M  
656  
1787 A

3/4



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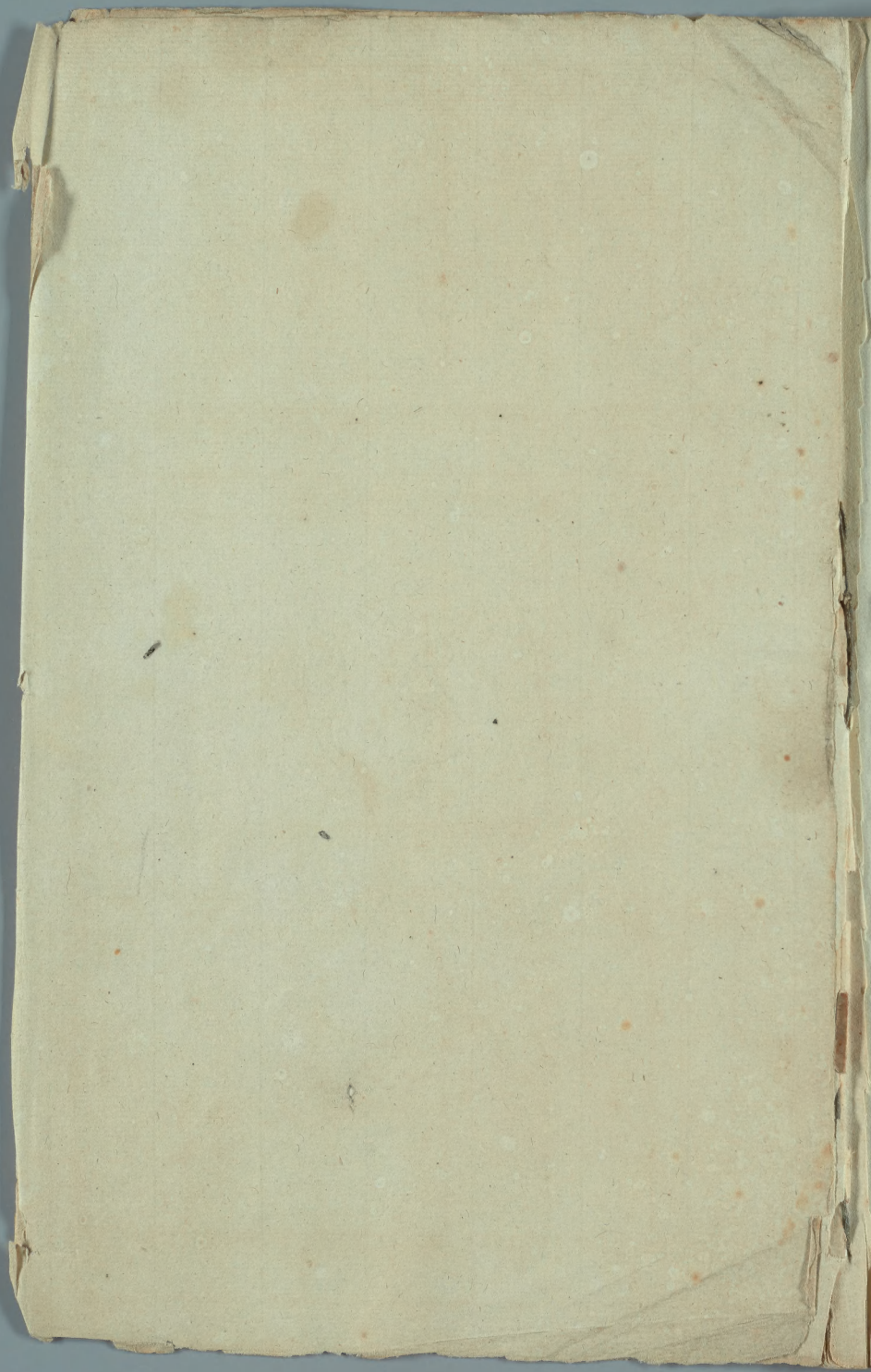
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*Samuel, Hodges his Book*

T H E

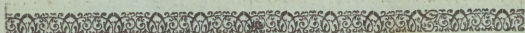
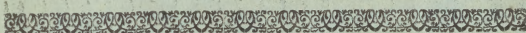
(1)

# Seaman's Journal :

B E I N G

An easy and correct Method of keeping the  
DAILY RECKONING OF A SHIP,  
DURING THE COURSE OF HER VOYAGE.

The COLUMNS and SPACES are properly Ruled and Divided for the Entrance  
of every necessary OBSERVATION ; and the several Departments arranged  
in the most regular and conspicuous Manner.



B O S T O N :

Sold by JOHN W. FOLSOM, Bookseller, No. 7, Union-  
Street, near the Market : Where also may be had, Writing Paper and  
Paper Books, ruled and plain ; Log Books, Hamilton Moore's Epitomy  
and Assitants, Scales and Dividers, Mariners Compass, Quills, Ink and  
Ink-Powder. &c. &c.

MA  
656  
1787A

# Seaman's Journal

W E I N G

An early and correct Method of keeping the  
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The Contents and Uses are properly ruled and Divided for the Purpose  
of every necessary Observation; and the several Particulars entered  
in the most regular and convenient Manner.

Benjamin Hodges master

B O S T O N

Sold by John W. Folsom, Bookbinder, No. 7, Union

Street, near the Market: Where it may be had, Whole Retail and

By the Book, and by the Dozen, at the Book Store of the

in the Year 1787

A Journal of a Voyage from Salem towards  
Providence Transactions Saturday the 26th May  
at 8 from Mr. Derber came on Board and got the  
Ship under way with the wind at East and beat  
out the harbor at 11pm he left us with Wind at S E

1787 A Journal on Board The Ship Astrea

H	K	HK	F	Courses	Winds	Transactions on Sunday the 27 <sup>th</sup> May				
2						Fine breezes and smooth sea at 6 pm Cape Horn bore N.W. by N Dist 1 League from which I take my dept				
4										
6										
8	5			ESE	WSE					
10	5	1				Clear and pleasant				
12	5	1			WNW					
2	5	1				Sail up the Top Gall yard & set the sail & sheeting sails Ends pleasant				
4	4	1			WNW					
6	5				WNW					
8	5	1								
10	5	1				Variation 1 point Westerly				
12	5	1			North					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
S 67 E		106	42	99	42-00	41-47	99	2-10	67-35	

H	K	HK	F	Courses	Winds	Transactions Monday May 28 <sup>th</sup>				
2	6			ESE	WNW	pleasant breezes and clear weather Saw albatrosses & Shear to the W				
4	5									
6	5									
8	5									
10	5					Moderate and pleasant took in the sheeting sails				
12	4									
2	4					Latter part Moderate and pleasant weather				
4	2	1		ESE	WSE					
6	3			ESE	WSE					
8	2	1			WNW					
10	2					Variation 1 point W				
12	2	1								
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
S 84 E		93	10	93	41-37	41-30	192	4-13	65-32	

H	K	HK	F	Courses	Winds	Transactions Tuesday May 29 <sup>th</sup>				
2	4	1		ESE	WNW	pleasant breezes & smooth sea				
4	5	1								
6	3	1								
8	4									
10	4					Fine Moderate Weather				
12	5				WNW					
2	5					at 6 pm set the Lower sheeting sail and driver Ends pleasant				
4	4	1								
6	4	1								
8	4									
10	5			East	WNW	Variation 1 point Westerly				
12	3	1			West					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
S 85 E		106	- 9 1/2	106	41-21	41-16	298	6-33	63-12	

H	K	HK	F	Courses	Winds	Transactions		
2	4	-	-	E by N	West	The First part pleasant at 8 pm took in the Fore Top Gallant sail		
4	5	-	-	-	W S W			
6	4	1	-	-	-			
8	5	-	-	-	-			
10	6	-	-	East	-	Middle and Latter part Clear Weather		
12	6	1	-	-	-			
2	6	-	-	-	-			
4	5	1	-	-	W by S			
6	7	-	-	-	W by N	Variation 1 point W		
8	7	1	-	-	-			
10	6	-	-	-	-			
12	7	-	-	E by N	-			
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

N 73 E 142 42 136 41-58 42-01 434 9-36 60-09

H	K	HK	F	Courses	Winds	Transactions		
2	4	1	-	E by N	West	Thursday May 31		
4	4	1	-	-	-	Moderate Breezes and		
6	4	-	-	-	-	pleasant weather		
8	4	-	-	East	S S W	at 8 pm took in the Lower		
10	4	-	-	-	-	Shaving sail and Drives		
12	4	1	-	-	-	at 2 Am took in Top mast		
2	4	1	-	-	S S E	Shaving sail Ends pleasant		
4	5	-	-	-	-	-		
6	4	-	-	-	-	-		
8	5	1	-	-	-	-		
10	7	1	-	-	-	-		
12	8	-	-	-	South	Variation 1 point West		
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

N 67 E 120 47 111 42-48 42-42 545 12-08 57-37

H	K	HK	F	Courses	Winds	Transactions			
2	6	-	-	E by S	S by E	<del>Thursday May June</del> A June the 1 day 1757			
4	6	-	-	-	-	The first part Fresh Breeze			
6	5	1	-	-	-	and Clear weather at 2 pm			
8	4	1	-	East	S by E	took one Reef in Fore and			
10	5	1	-	-	-	Mizen top sail at 6 Am out			
12	5	1	-	-	-	Reef and set the Main top			
2	4	1	-	-	-	Gallant sail			
4	3	1	-	-	-	Ends pleasant			
6	4	-	-	E by N	S by E	-			
8	4	1	-	-	-	-			
10	4	1	-	East	S by E	Variation 1 point West			
12	4	1	-	E by S	S by E	-			
	Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

N 59 E 117 60 100 43-42 43-43 645 14-27 55-18

H	K	HK	F	Courses	Winds	Transactions	Saturday June 2 <sup>th</sup>			
2	4	1	-	E 1/2 N	SE 1/2 E	Moderate Breezes and Cloudy	a large Swell from the N.W. and			
4	4	-	-	East	-					
6	4	-	-	E 1/2 N	-					
8	5	-	-	E 1/2 N	-					
10	4	1	-	-	-	Middle part Light wind and	Flying Clouds			
12	4	1	-	-	-					
2	4	1	-	E 1/2 N	SE 1/2 E	Latter part Little winds and	a large swell from the S.E.			
4	4	1	-	-	-					
6	3	-	-	-	-					
8	2	1	-	-	-	Ends pleasant				
10	2	1	-	-	-		Variation 1 1/2 point W			
12	2	-	-	-	-					
Course		Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in	
N 35 E		92	55	74	44° 38'	44° 42'	719	16° 11'	53° 34'	

H	K	HK	F	Courses	Winds	Transactions	Sunday June 3 <sup>rd</sup>			
2	3	-	-	E 1/2 N	SE	Light winds and a large swell	from the S.E. at 4 pm Tack			
4	3	1	-	N E	E 1/2 E					
6	3	-	-	-	-	Ship to y <sup>e</sup> S. ward at 8 pm				
8	3	-	-	South	E 1/2 E	Took one Reef in the Fore and				
10	2	-	-	S 1/2 W 1/2 N	-	Misgun top sail and Stoad	The Jib at 2 Am tacked Ship			
12	2	-	-	-	-					
2	2	-	-	-	-	to the East ward at 6 Am	Maid sail and at 10 Am Spun			
4	3	1	-	E 1/2 N	SE 1/2 E					
6	4	1	-	E 1/2 E	S 1/2 W	a Fishing Schooner and Boop to				
8	6	-	-	-	-	Anchor				
10	4	1	-	-	-		Variation 1 1/2 point			
12	4	1	-	-	-					
Course		Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in	
N 87 E		62	3	62	44° 45'	44° 44'	781	17° 36'	52° 09'	

H	K	HK	F	Courses	Winds	Transactions	Monday June 4 <sup>th</sup>			
2	3	-	-	E 1/2 N	SE 1/2 E	Moderate Breezes and thick	of Fog can a number of			
4	3	-	-	E 1/2 E	SE					
6	3	1	-	E 1/2 N	SE 1/2 E	Fishing vessel at an anchor				
8	3	-	-	E 1/2 E	SE	at 8 pm hauled top gall sails				
10	2	-	-	-	-	Jib and Main top Mast stay	sail took one Reef Each top			
12	2	-	-	E 1/2 N	SE 1/2 E					
2	1	1	-	-	-	sail and hauled up y <sup>e</sup> Main sail	at 4 Am Made sail at 10 Am			
4	2	1	-	E 1/2 E	South					
6	3	-	-	-	-	Ran Poff aboard a brig at	an Anchor Ends full of Fog			
8	2	1	-	-	-					
10	4	-	-	-	-		Variation 1 1/2 point West			
12	4	1	-	E 1/2 S	SE					
Course		Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in	
N 60 E		68	34	58	45° 18'	45° 20'	839	18° 58'	50° 47'	

H	K	HK	F	Courses	Winds	Transactions				
2	4	-	-	ESE	South	Tuesday June 5				
4	4	1	-			The first part moderate				
6	4	1	-	ESE	SE	Breezes and Fog				
8	5	-	-			at 8 pm hauled the top				
10	2	1	-			Gall. sail jibb and Main				
12	2	1	-			top Mast stay sail hauld				
2	2	1	-			up the Main sail				
4	2	1	-	E 1/2 S	SE 1/2 E	at 4 Am Made sail				
6	4	-	-			Ends moderate and Fog				
8	4	1	-	East	SE					
10	5	1	-	ESE	SESE					
12	5	1	-	ESE	SESE	Variation 1/2 point W				
Course			Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

*706* *96* *32* *88* *45* *50* *none today* *927* *21* *04* *48* *43*

H	K	HK	F	Courses	Winds	Transactions
2	4	1	-	E 1/2 E	SE 1/2 E	Wednesday June 6
4	3	1	-	E 1/2 E	SE 1/2 E	Moderate Breezes and smooth
6	4	-	-	-	-	sea hove too and sounded
8	4	-	-	-	-	no bottom 90 Fathoms line
10	3	-	-	-	-	
12	3	-	-	E 1/2 E	SE	Middle and Latter parts
2	3	-	-	East	SE	Continues very thick of
4	4	-	-	E 1/2 E	-	Fog - so Ends there 2 1/2
6	3	-	-	E 1/2 E	SE 1/2 E	
8	2	1	-	East	SE	
10	3	-	-	-	-	
12	3	-	-	-	-	Variation 2 points W
Course Diff. Diff. Lat. Dep. Lat. by D.R. Lat. by Ob. Mer. Diff. Lon. made Lon. in						

*486* *81* *54* *60* *46* *44* *none today* *987* *22* *33* *47* *13*

H	K	HK	F	Courses	Winds	Transactions
2	5			East	SSE	Thursday June 7 <sup>th</sup>
4	4	1				All these 2 1/4 Moderate
6	4					Breezes and Fog
8	3				SSW	at 8pm stoad the jibb and
10	2	1			WSW	Main top mast stay sail
12	3					Hauld up the main sail
2	4					
4	5					
6	3				WSW	at 4Am set the steering sails
8	4					and Driver
10	5				SW	
12	6					Variation 2 points West
Course Diff. Lat. Dep. Lat. by D.R. Lat. by Ob. Mer. Diff. Lon. made Lon. in						

*656* *98* *41* *89* *47* *25* *none today* *1076* *24* *42* *45* *03*

H	K	HK	F	Courfes	Winds	Transactions		
2	8	-	-	East	NW	<i>Friday June 8th</i> Fresh gales with thick fog		
4	9	-	-			Weather took in steering sails		
6	9	-	-			& driver & stay sails & gill		
8	9	-	-			took in the top gallant sails		
10	7	-	-			at 8 pm took up 1 <sup>st</sup> reef in the		
12	5	-	-		North	Fore Kullizen & 2 reefs in the		
2	5	-	-		NW E	Main top sail at 11 pm took the		
4	5	-	-			2 <sup>nd</sup> reef in of fore top sail		
6	3	1	-	E B S	N E B S	Cloudy but kept out the Main		
8	3	1	-	E S E	N E	top sail		
10	4	1	-	E B S	N E B S			
12	4	1	-					
<i>Variation 2 points</i>								
Courfe	Dist.	Diff. Lat.	Dep.	Lat. by D.R	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

N 72 E 144 45 137 48" 10 48" 13 1213 28 06 41" 39

H	K	HK	F	Courfes	Winds	Transactions		
2	3	-	-	E S E	N E	Treash breezes and flying		
4	3	-	-			Clouds with a large well		
6	4	1	-	S E	E N E	from the N E		
8	5	-	-					
10	5	-	-			Middle part moderate		
12	4	1	-	S E B E	N E B E	at 2 pm Let the keep out the		
2	3	1	-	E S E	N E	Fore and Mizzen top sails		
4	4	-	-	E B S	N E B S			
6	4	-	-	East	N N E	Latter part Moderate and		
8	3	1	-			Cloudy weather		
10	2	1	-					
12	2	-	-			Variation 2 points W		
Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

S 79 E 87 17 85 47" 53 48" 00 1298 30" 13 39" 32

H	K	HK	F	Courfes	Winds	Tranlactions
2	2	1	-	East	NNE	<i>Sunday June 10th</i> Little winds and a large swell
4	2	1	-	EB S	N E B S	from the N E
6	2	-	-	ES E	N E	
8	1	1	-			
10	-	-	-		Calm	Middle part Cloudy weather
12	-	-	-			
2	-	-	-			
4	1	1	-	EB S	SEBS	at 4Am Light breezes and
6	2	-	-			pleasant weather Made sail
8	3	-	-			ends pleasant
10	4	-	-			
12	5	-	-		SBE	Variation 2 points East

S 70 E 47 16 44 48" 16 48" 18 1342 31" 19 38" 26

H	K	HK	F	Courfes	Winds	Transactions						
2	5	1	-	E by N	SE	Monday June 9 <sup>th</sup>						
4	7	-	-			Moderate breezes and pleasant weather at 4pm						
6	7	1	-			Set the steering sail						
8	7	1	-			at 10pm took up the steering						
10	7	1	-			sails, smoothing Cloudy						
12	6	1	-		SE	at 8Am saw a Brig in N E						
2	6	-	-			Quarter at 11 <sup>th</sup> past her						
4	6	-	-			2 Leagues to Windward						
6	5	1	-									
8	6	-	-									
10	6	-	-									
12	6	-	-			Variation 2 points West						
				Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Lat.	Lon. made	Lon. in

N 31° E 155 98 120 49° 56' 49° 59' 1462 31° 20' 35° 25'

H	K	HK	F	Courses	Winds	Transactions		
2	5	1	-	E by N	SE	Tuesday June 12		
4	5	1	-			Moderate breezes & Cloudy		
6	4	-	-			with a Large swell from		
8	4	-	-			The E. wind		
10	4	-	-					
12	4	1	-			Middle part misty weather		
2	4	-	-					
4	4	1	-			Pleasant set the fore top		
6	4	-	-			Gallant sail and Middle		
8	4	-	-			stay set - Ends Pleasant		
10	5	-	-					
12	5	-	-			Variation 2 points West		
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Obs.	Mer. Dist.	Lon. made	Lon. in

N 39° E 109 85 69 51° 24' 51° 25' 1531 36° 19' 33° 26'

H	K	HK	F	Courses	Winds	Transactions
2	3	1	-	E by N	South	Wednesday June 13
4	3	-	-		SE	Moderate and Cloudy at 2pm
6	2	1	-			set the steering sails
8	3	1	-			
10	4	-	-	East	South	Cloudy with small rain
12	4	-	-		SE	at 2Am set the Loar steering
2	3	1	-		SE	sail and Driver
4	4	-	-		SE	at 8Am in Loar steering sail
6	4	-	-		SE	and Driver
8	3	1	-			
10	4	1	-			Variation 2 points
12	4	1	-			
Course Dist. Diff. Lat. Dep. Lat. by D.R. Lat. by Obs. Mer. Dist. Lon. made						

N 52° E 89 55 70 52° 20' 52° 27' 1601 38° 13' 31° 32'

H	K	H	K	F	Courses	Winds	Transactions
2	6	-	-	-	E by N	N by W	Thursday June 14th
4	7	-	-	-		N by W	Pleasant breezes with
6	7	-	-	-			smooth sea at 6 pm took in
8	7	-	-	-			The top mast steering sail
10	6	1	-	-	12 1/2		Middle part misty weather
12	6	-	-	-		N by W	and unsteady breezes -
2	5	1	-	-		N by W	Latter part Cloudy -
4	5	1	-	-		N by W	
6	5	1	-	-		N by W	
8	5	1	-	-		N by W	
10	6	1	-	-			
12	6	1	-	-			Variation 2 1/4 points West
<div> <div>Course</div> <div>Diff.</div> <div>Diff. Lat.</div> <div>Dep.</div> <div>Lat. by D.R.</div> <div>Lat. by Ob.</div> <div>Mer. Diff.</div> <div>Lon. made</div> <div>Lon. in</div> </div>							

N 56 E 149 83 124 53.50 53.52 17 25 41.40 28.05

H	K	H	K	F	Courfes	Winds	Transactions
2	8	-	-	-	E by N	N by W	Friday June 15 <sup>th</sup>
4	8	1	-	-			Treash breezes and Cloudy
6	9	-	-	-			With small rain at 6 pm took
8	6	-	-	-	$\frac{209}{3.4}$	N by E	in the top gall. sails at 8 pm
10	7	-	-	-	$\frac{14.500}{68.73}$		set the main top gall. sail
12	9	-	-	-			at 12 took in the top gall. sail &
2	8	-	-	-			fibb main top mast stay sail.
4	9	-	-	-	$\frac{17.2}{6.18}$	N by W	One reef in the Mizzen top. sail
6	9	-	-	-		N by W	at 6 am took the 2 <sup>d</sup> reef in the
8	8	1	-	-		N by W	Main top. sail at Merid let the
10	8	1	-	-			reefs out the top. sails
12	8	1	-	-			

N 56 E 196 110 163 55.42 55.41 18 88 46.17 23.28

H	K	H	K	F	Courfes	Winds	Transactions
2	5	-	-	-	E by N	N by W	Saturday June 16th
4	6	-	-	-			Moderate breezes and small waves
6	8	-	-	-	E by N	N by W	of rain set the jibb and main
8	9	-	-	-	East		top. mast stay sail
10	10	-	-	-		South	Fresh breezes and Squally
12	9	1	-	-			Took in the main top gallant sail
2	10	-	-	-			and jibb at 12 am took 2 <sup>d</sup> reefs
4	6	1	-	-		N by E	in each top. sail and stowed the
6	7	1	-	-			main top. mast stay sail at 3 am
8	16	1	-	-			Moderate Let one reef out each
10	6	1	-	-			top. sail at 9 am let the reefs out
12	6	1	-	-			the top. sails set the jibb

N 65 E 182 77 165 56.58 56.57 20 53 51.21 18.24

Variation 2 1/4 points

H	K	HK	F	Courses	Winds	Transactions	Sunday June 17 <sup>th</sup>			
2	8	-	-	East	North	Fresh breeze and Cloudy				
4	9	1	-			with rain at 3 pm took in				
6	8	1	-	E by S		the main top gallant sail and				
8	8	1	-			stayed the jib at 4 pm took				
10	8	-	-			the 3 <sup>rd</sup> reef in the main top				
12	3	1	-	W by E	N by W	sail and fore top sail at 8 pm				
2	3	1	-	W by E	N by W	lost reef the main and				
4	3	1	-	W by E	N by W	mixed top sail				
6	3	1	-	W by E	N by W	Fresh gale and large sea				
8	5	-	-	E by S		at 10 pm 2 <sup>nd</sup> deck top sails				
10	6	1	-	E by S		at 6 pm 1 <sup>st</sup> deck sail				
12	7	1	-				Variation 2 1/4 points			
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made   Lon. in
258 E				150	80		127 58" 17	58 29	2180	55 1/2   1430

H	K	HK	F	Courses	Winds	Transactions	Monday June 18 <sup>th</sup>			
2	7	1	-	E by S	N by W	Fresh breeze and Cloudy				
4	8	-	-			set the jib and let one reef				
6	8	-	-			out the main and fore top				
8	8	-	-			sail at 6 pm squally aboard				
10	7	-	-			the jib and the main top mast				
12	8	-	-			stay sail and lost reef the				
2	9	1	-			top sails at 8 pm hoisted the				
4	8	-	-			Virgin top sail and set down				
6	6	-	-		North	the top gallant yards at bar				
8	6	-	-		N by E	set the Virgin top sail and				
10	4	1	-	E by S	N by E	lost the 3 <sup>rd</sup> reef out the main				
12	4	1	-	E by S	N by E	top sail	Variation 2 1/4 points			
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made   Lon. in
260 E				167	83		145 59" 32	59 27	2325	59 54 9" 51

H	K	HK	F	Courses	Winds	Transactions	Tuesday June 19 <sup>th</sup>			
2	8	-	-	E by S	N by E	Fresh breeze and Cloudy				
4	8	1	-			Saw a longan to the N E				
6	5	1	-			standing to the Eastward				
8	4	1	-	E by S	N by E	at 8 pm the long bore N by W				
10	4	1	-			Middle part squally of rain				
12	4	1	-			at 6 pm saw a long to the				
2	4	1	-			Southward steering N by W				
4	4	1	-			Ends Cloudy				
6	4	1	-	SE by E	N by E					
8	4	1	-	E by S	N by E					
10	5	1	-	SE by E	N by E					
12	5	-	-				Variation 2 1/4 points			
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made   Lon. in
284 E				119	17		118 59" 10	59 09	2443	63 1/2   6 02

H	K	HK	F	Courses	Winds	Transactions	Wednesday June 30			
2	5	1	-	SEBE	NEBE	Moderate breezes and hazy at 3pm				
4	5	1	-			saw the late slack and the new				
6	5	-	-	SE	ENE	Bearing SW by W 3 Leagues dist				
8	4	1	-	North	-	at 3pm saw the homony bearing				
10	4	-	-			SE by S dist 6 Leagues at 6pm				
12	4	1	-			Sacked ship to the N. ward sent				
2	4	-	-			up the top mast 10 yards and set				
4	4	-	-	NE by W	NEBE	the sails but the breeze out the				
6	3	1	-	ENE	NE	foam and mizen top sails at 11pm				
8	3	1	-			Sacked ship to the E. ward at 11pm				
10	3	1	-			saw the Veb. new side to the NE				
12	3	1	-	SEBE	NEBE	of homony bearing SEBE 5 leagues dist				
Course				Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made   Lon. in
NEBE				32	19	26	59°28'	none this Day	2469	64°36' 5" 19

H	K	HK	F	Courses	Winds	Transactions	Thursday June 31			
2	3	1	-	EBE	NEBE	Moderate breezes and hazy.				
4	3	1	-			at 6pm homony bearing South				
6	5	-	-	East	ENE	3 Leagues dist at 8pm saw the				
8	7	-	-	SEBE	NE	by E bearing East 5 Leagues dist				
10	6	-	-		ENE	Saw signal sail in sight steaming				
12	5	1	-			drifted and crossed at 11pm				
2	4	-	-			by E bearing NEBE 3 Leagues				
4	5	-	-		NE	at 2pm set the top mast				
6	5	1	-			steaming sails so ends the				
8	5	1	-			Variation 2 1/4 points				
10	5	1	-		ENE					
12	5	1	-							
Course				Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made   Lon. in
SEBE				120	10	121	59°18'	none this Day	2590	68°21' 1" 24

H	K	HK	F	Courses	Winds	Transactions	Friday June 22th			
2	5	1	-	SEBE	NEBE	Moderate breezes and Cloudy				
4	5	1	-							
6	5	-	-							
8	4	1	-							
10	3	-	-		NE	Moderate and Fog weather				
12	2	-	-							
2	3	-	-							
4	3	-	-							
6	1	1	-		North	Lighter part moderate and				
8	1	-	-			hazy weather so ends				
10	1	1	-		West	Variation 2 1/4 points				
12	2	-	-		NE					
Course				Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made   Lon. in
SEBE				73	11	72	59°07'	none this Day	2512	69°45' 0" 56

(NB) This day night 59 miles left East with guies on 56 E  
in East Longitude - -

H	K	HK	F	Courses	Winds	Transactions		
2	2	1	-	SE	SW	<i>Saturday June 23</i>		
4	3	-	-			<i>Moderate and Breezy weather</i>		
6	3	-	-					
8	4	-	-					
10	4	-	-					
12	4	-	-			<i>Moderate and Breezy</i>		
2	3	1	-					
4	3	1	-					
6	3	1	-					
8	3	1	-			<i>at 11 AM saw the light of</i>		
10	3	1	-			<i>East from the Cape of Norway</i>		
12	3	1	-			<i>Bearing E. S. E. 10 Leagues distant</i>		
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
<i>59° E</i>	<i>83</i>	<i>16</i>	<i>82</i>	<i>59° 51'</i>	<i>58° 55'</i>	<i>111° E</i>	<i>2° 40'</i>	<i>3° 36'</i>

H	K	HK	F	Courses	Winds	Transactions		
2	5	-	-	SE	SW	<i>Sunday June 24</i>		
4	7	-	-	ESE	SW	Pleasant breezes and smooth		
6	9	-	-	SE 1/2 S	SW	Sea		
8	10	1	-	ESE				
10	8	1	-			at 7 pm abreast of the Cape		
12	7	-	-			several ships in sight went		
2	7	-	-	ES 1 1/2 S		the cables		
4	7	-	-	ES 1/2 S	N 1/2 S			
6	5	1	-			Clean and pleasant		
8	4	1	-					
10	5	-	-					
12	4	1	-	ES 1/2 S	West	Variation 2 1/4 points		
Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon made	Lon. in
165°E	156	66	141	57°45	57°47	252	4°36	8°02

165°E	156	66	141	57°45	57°47	252	4°36	8°42
H	K	HK	F	Courses	Winds	Transactions	Monday June 25	
2	5	-	-	SE 1/2 E	SW	Breeze breezes and smooth sea.		
4	7	-	-	SE 1/2 E	SW	at 3 pm saw the Shan bearing		
6	8	-	-	SE 1/2 E	SW	at 5 pm the Land about		
8		-	-	SE 1/2 E	SW	5 Leagues distant at 4 pm		
10		-	-	SE 1/2 E	SW	hauld over for Mastrand at 5 pm		
12		-	-	SE 1/2 E	SW	hauld over for Mastrand at 6 pm		
2		-	-	SE 1/2 E	SW	dist 3 Leagues hauld over		
4		-	-	SE 1/2 E	SW	Wind took in the		
6		-	-	SE 1/2 E	SW	small sails and main sail and masts		
8		-	-	SE 1/2 E	SW	Each top sail - by of and on till 2 1/2 m		
10		-	-	SE 1/2 E	SW	run in Cape		
12		-	-	SE 1/2 E	SW	the Castle at 5 1/2 m in sight and at 9 am		
2		-	-	SE 1/2 E	SW	anchored in		
4		-	-	SE 1/2 E	SW	Mastrand at 11 m the Capt set of for		
6		-	-	SE 1/2 E	SW	Gottenburgh by		
8		-	-	SE 1/2 E	SW	Wester - Latter part Breeze so ends		
				Courte	Diff.	Lat.	Lon.	
				Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.
				Lon. made	Lon. in			
188°E	20	111	20	57°46		272	0°38	8°46

# From Mastland to Petersburg

(7)

H	K	H	K	F	Courses	Winds	Transactions	Wednesday July 2 <sup>d</sup>			
2	-	-	-	-	-	North	Clear and pleasant breezes	at 2 Am hauled off from the Mole and hoisted in the Long Boat at 4 the pilot came on Board and put us under way Bound up to Petersburg at 2 pm van the Pilot In half bearing W 3/4 S 4 Leagues dist at 4 van the Mole bearing S 3/4 E 3 Leagues dist at 7 van Chimore Cape bearing S 3/4 E 3 Leagues dist at 10 van the head in Chimore			
4	-	-	-	-	-	North					
6	-	-	-	-	-	North					
8	-	-	-	-	-	South					
10	-	-	-	-	-	South					
12	-	-	-	-	-	South					
2	-	-	-	-	-	South					
4	-	-	-	-	-	South					
6	-	-	-	-	-	South					
8	-	-	-	-	-	South					
10	-	-	-	-	-	South					
12	-	-	-	-	-	South					
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in			

H	K	H	K	F	Courses	Winds	Transactions	Thursday July 3 <sup>d</sup>			
2	-	-	-	-	-	W 1/4 S	at 4 pm hoisted out your	the Capt went on shore at 9 Am returned with a pilot to carry us through the grounds in boat and put under way with a fine breeze at 10 the pilot left us abreast of Dragoos Cape then 2 1/2 Hrs S 3/4 W			
4	-	-	-	-	-	W 1/4 S					
6	-	-	-	-	-	W 1/4 S					
8	-	-	-	-	-	W 1/4 S					
10	-	-	-	-	-	W 1/4 S					
12	-	-	-	-	-	W 1/4 S					
2	-	-	-	-	-	W 1/4 S					
4	-	-	-	-	-	W 1/4 S					
6	-	-	-	-	-	W 1/4 S					
8	-	-	-	-	-	W 1/4 S					
10	-	-	-	-	-	W 1/4 S					
12	-	-	-	-	-	W 1/4 S					
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in			

H	K	H	K	F	Courses	Winds	Transactions	Friday July 4 <sup>th</sup>			
2	-	-	-	-	-	W 1/4 S	Moderate breezes and pleasant	agrate number of Ships in Company at 6 pm near Sela bore W 1/4 S 5 Leagues dist at 8 Bound hither S 3/4 E 4 Leagues dist at 12 pm van Bon holden began S 3/4 E 14 Leagues dist at 8 the Jole of Can holden bore W 1/4 S 3 Leagues dist West so Ende then 2 1/2 Hrs			
4	-	-	-	-	-	W 1/4 S					
6	1	-	-	-	E 1/4 S	-					
8	5	-	-	-	-	-					
10	5	-	-	-	-	-					
12	5	-	-	-	-	-					
2	5	-	-	-	-	-					
4	5	-	-	-	E 1/4 S	W 1/4 S					
6	4	1	-	-	East	W 1/4 S					
8	4	-	-	-	E 1/4 S	-					
10	4	1	-	-	E 1/4 S	-					
12	4	1	-	-	E 1/4 S	-					
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in			

H	K	HK	F	Courses	Winds	Transactions			
2	4	1		ESE	W.S.W.	Light winds and Foggy			
4	5	1				at 8 pm saw the light of			
6	5	1				land bearing N.W. 3 Leag			
8	6	1				Dist.			
10	6	1				Fine breezes and Cloudy			
12	8				S.W.	at 5 1/2 pm saw the light of			
2	8				S.W.	land bearing N.E. 3			
4	8					League Dist.			
6	8					Clear and pleasant			
8	7								
10	7	1		WSE 1/2 E					
12	7	1		WSE 1/2 E					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
						57.07			

H	K	HK	F	Courses	Winds	Transactions					
2	4	1		N E 1/2 E	S W	<i>Sunday July 8</i> Moderate and fresh breeze all sails set at 2 pm Morgan Bore N W 3 League dist.					
4	6	1									
6	6	1									
8	6				South	Light winds land rain					
10	6				S W						
12	4	1			S W	Thick and Foggy at 11 am					
2	4	1			S W	hauled down the Steering sails and Driver and hauled up the Star sail and have two and scurged but had no Bottom ends Foggy					
4	5										
6	5										
8	5										
10	5										
12	4										
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions					
2	4	-	-	WSE	S.W.	Monday July 29 Thick and Foggy rain under top					
4	5	-	-	ESE	S.W.	sails and attended every hour					
6	6	-	-	East	-	hear the report of a cannon					
8	6	1	-	E 1/2 S	-	at 7 pm saw Dageroot					
10	5	1	-	E 1/2 S	S.W.	bearing N.W. 1/2 League Dist.					
12	5	1	-	-	-	Fair and pleasant - since 11 pm					
2	5	-	-	East	S.E.	hazy at 2 pm saw the harbor					
4	5	-	-	ESE	-	bearing south 1 League Dist.					
6	3	-	-	WSE	S.E.	saw the light house on the green					
8	4	-	-	WSE	S.W.	Bore E 1/2 4 League Dist.					
10	4	-	-	South	-	Thick breeze & regular attended					
12	3	1	-	East	South	with Lightning & Thunder & rain					
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2	5	-	-	E. by S.	S. by W.	Moderate breeze and squally at the		
4	3	1	-	E. by S.	S. by W.	steaming sails at 5 pm in Fresh-		
6	5	1	-	E. by S.	S. by W.	shay, Light-house bearing E. by S.		
8	6	1	-	E. by S.	S. by W.	2 Leagues Dist. - plenty of rain		
10	1	1	-	E. by S.	N. by W.	and Fog -		
12	7	1	-	E. by S.	N. by W.	at 5 1/2 m saw reg. Land bearing E. by S.		
2	5	-	-	E. by S.	S. by W.	6 Leagues Dist. - the reg. land		
4	5	-	-	E. by S.	S. by W.	Bore West 1/2 League Dist.		
6	5	-	-	E. by S.	S. by W.	were a great number of shipping		
8	5	-	-	E. by S.	S. by W.	at 6 m saw 24 m		
10	5	-	-	E. by S.	S. by W.			
12	5	-	-	E. by S.	S. by W.			
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2	3	-	-	E 1/2 S.	W S W.	Moderate breeze and squally at the		
4	2	-	-	E S E.	-	The at 8 tock in the wharving side		
6	1	-	-	-	N W.	at 10 pm Fresh-shay E. by S. 1/2 m		
8	1	-	-	-	S W.	3 Leagues Dist. Light winds &		
10	2	-	-	E S E.	S E.	ves. 6 m		
12	2	-	-	S E E.	S S W.	at 10 1/2 m saw Toll-bacon		
2	1	-	-	-	-	bearing East saw the shipping		
4	3	-	-	E S E.	S S E.	in Danstead mole		
6	3	-	-	E S E.	S S E.	saw several ships steaming to		
8	3	-	-	E S E.	S S E.	Westward Ends pleasant		
10	3	-	-	-	-			
12	3	-	-	-	-			
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2					E S E	Squally with rain attended with		
4						lightning and Thunder at 4 pm		
6								
8					Calm	Whelchord in 13 Fathom of water		
10						Toll-bacon bearing E S E 3 miles		
12						Dist -		
2						at 4 1/2 m got under way with		
4						Light Breezes and plenty of		
6						rain and Lightning latter		
8					West	part Fresh-shay breeze haulg.		
10						in to the mole and secured ship		
12								
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in



# From Cronada to Cienfuegos August 17th 1787 <sup>(9)</sup>

H	K	HK	F	Courses	Winds	Transactions		
2					North	Friday the 17th August First part Light winds at 4pm hauled out the mole and came to <del>the</del> sail with the winds as Column in company with several ships bound Down the gulph Middle and Latter part Fresh breezes		
4								
6								
8					N.W.			
10								
12								
2								
4								
6								
8								
10								
12								
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2	-	-	-	W N W	N W	Saturday the 18 <sup>d</sup> Fresh gales and Clear still boarding Down the Gulph at 10pm Toall Beacon Light Leave S C 13 <sup>h</sup> 4 Leagues Dist. at 4 Am saw the Ice shor light bearing SW 1/2 Leagues Dist at 7 past stone green Flag Saw hog land bearing W N W 7 Leagues Dist		
4	-	-	-	West	N W W			
6	-	-	-	W N W	North			
8	-	-	-					
10	-	-	-					
12	-	-	-					
2	-	-	-					
4	-	-	-	W N W	- - -			
6	-	-	-					
8	-	-	-					
10	-	-	-					
12	-	-	-					
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courfes	Winds	Tranfactions		
2					W N W	Sunday the 19 <sup>d</sup> Mediant and Clear at 5pm past past by hog land at 8pm hog land bore E N E 7 miles dist at 5 Am saw thoush shor lights house W N W 3 Leagues Dist set the shor sails at 11 the North part of Nagon bore SW N 1/2 W The Breach SW 1/4 N the thoush shor Lights house E S E		
4								
6								
8					N N W			
10	4			West				
12	5	1		W N W				
2	5							
4	4	1		W 1/2 S				
6	4	1		W N W	North			
8	5							
10	3	1		W N W				
12	2	1		West	N E E			
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courfes	Winds	Tranfactions			
2	2	—	—	WSW	SE	Monday the 20			
4	1	—	—	WSW	South	Light winds and Cloudy			
6	1	—	—	WSW	Calm	at 8 pm the North End			
8	—	—	—	WSW	SE	of Nagon Core NW 1/4			
10	2	—	—	WSW	SE	Leagues Dist			
12	4	—	—	WSW	East	Some breezes set tearing			
2	7	—	—	WSW	SE	sails at 4 pm Cap. holds			
4	7	1	—	WSW	—	Light House Core SE 1/4			
6	7	1	—	WSW	—	Leagues Dist at Merdow			
8	7	1	—	WSW	—	Dagrot SE 1/4 7 Miles			
10	7	—	—	WSW	—				
12	7	1	—	WSW	—				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courfes	Winds	Transactions			
2	9	—	—	WSW	SE	Tuesday the 21 <sup>st</sup> day			
4	6	—	—	WSW	SE	Brick Coaches up the main			
6	4	1	—	WSW	WSW	at 4 pm took in clearing			
8	4	1	—	WSW	WSW	sail of top, Gallant sails			
10	3	1	—	WSW	WSW	at 8 pm took the first Reef			
12	3	—	—	WSW	WSW	in the top, sail of top to			
2	1	—	—	South	WSW	the South ward at 10 pm			
4	1	1	—	—	—	some the top of top began			
6	3	—	—	WSW	WSW	Cast 6 Leagues Dist to			
8	4	—	—	—	—	the top of top the top of			
10	4	—	—	—	—	sails of top to the main			
12	3	1	—	WSW	—	sail of top to the main			
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
						53 15			

H	K	HK	F	Courfes	Winds	Tranfactions					
2	2	1	-	WSW	WSW	Wednesday 22					
4	5	1	-	WSW	WSW	Brick Coaches at 11 pm took					
6	5	1	-	-	-	to the South ward					
8	5	1	-	-	WSW	Showr of Rain					
10	4	1	-	SWW	-	Moderate and Cloudy					
12	3	1	-	-	-	-					
2	3	-	-	SWW	WSW	Brick Coaches at 11 pm took					
4	3	-	-	-	-	to the South ward					
6	3	-	-	SWW	WSW	Showr of Rain					
8	3	1	-	SWW	WSW	Moderate and Cloudy					
10	4	-	-	SWW	WSW	Brick Coaches at 11 pm took					
12	5	-	-	-	-	to the South ward					
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
								56 55			

H	K	HK	F	Courses	Winds	Transactions	Thursday 23 <sup>rd</sup>			
2	3	1	-	SW by S	W by S	Fresh gale & Cloudy with				
4	3	-	-	SW	W by N	a large sea from the N.W.				
6	3	-	-	SW by S	W by N					
8	3	-	-	SW by S	W by N	12 boats in Bay in the fore				
10	4	-	-	SW by S	W by N	of masts by water				
12	3	1	-	SW by S	W by N	of masts back to the Mizen				
2	3	-	-	SW by S	W by N	top the second Mast on the				
4	3	-	-	SW by S	W by N	Mizen top and of hands the				
6	3	1	-	SW by S	W by N	Four under Mizen top and				
8	4	-	-	SW by S	W by N	Four under Mizen top and				
10	3	1	-	SW by S	W by N	Four under Mizen top and				
12	3	-	-	SW by S	W by N	Four under Mizen top and				
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in		
									50.0 by	

H	K	HK	F	Courses	Winds	Transactions	Friday the 24 <sup>th</sup>			
2	3	1	-	SW by S	W by S	Fresh Gale with a large sea				
4	3	1	-	SW by S	W by S	From the N.W.				
6	3	1	-	SW by S	W by S					
8	3	1	-	SW by S	W by S	More moderate with flying				
10	3	1	-	SW by S	W by S	Clouds set in to the N.W.				
12	3	1	-	SW by S	W by S	and back to the S.W.				
2	4	-	-	SW by S	W by S					
4	3	1	-	SW by S	W by S	Continues to blow in Fresh				
6	4	-	-	SW by S	W by S	Gale				
8	4	-	-	SW by S	W by S					
10	4	-	-	SW by S	W by S					
12	4	-	-	SW by S	W by S					
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in		
									55.41	

H	K	HK	F	Courses	Winds	Transactions	Saturday 25 <sup>th</sup>			
2	4	-	-	SW by S	W by S	Fresh gale and squally				
4	3	1	-	SW by S	W by S	hard for and high top				
6	3	1	-	SW by S	W by S	and down top				
8	2	-	-	SW by S	W by S	and down top				
10	2	1	-	SW by S	W by S	gale and squally				
12	3	-	-	SW by S	W by S	on the fore of the Mizen				
2	3	-	-	SW by S	W by S	off to the N.W.				
4	3	-	-	SW by S	W by S	and bearing from SW by S				
6	4	-	-	SW by S	W by S	to north of the Cape				
8	4	-	-	SW by S	W by S	and Cloudy and				
10	4	-	-	SW by S	W by S	and out breeze				
12	3	1	-	SW by S	W by S					
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in		
									55.33	

H	K	HK	F	Courses	Winds	Transactions			
2	2	-	-	NB.W.	NB.W.	<i>Sunday 26th</i>			
4	1	-	-			<i>Moderate and Cloudy</i>			
6	3	-	-	NB.W.	SE.W.	<i>Sent up the Fore topgallant</i>			
8	3	-	-			<i>yard</i>			
10	3	-	-			<i>Light winds and hazy</i>			
12	3	-	-						
2	3	-	-						
4	1	-	-	N.W.	SE.W.				
6	1	-	-	N.W.	SE.W.	<i>Swamp sail in sight</i>			
8	1	-	-	N.W.	SE.W.				
10	1	-	-			<i>Conds pleasant</i>			
12	1	-	-						
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
						33.24			

H	K	HK	F	Courses	Winds	Transactions			
2	5	1	-	N.W.	SE.W.	Monday 27th			
4	1	-	-	N.W.	SE.W.	Strong breeze and squally			
6	1	-	-			with rain bands to gall			
8	3	1	-			sails and a heavy rain			
10	3	1	-	N.W.	SE.W.	Light breeze and squally			
12	1	-	-	N.W.	SE.W.	at 4 PM down broadway			
2	3	1	-	N.W.	SE.W.	Bearing N.W. by E. 3 leagues			
4	3	1	-	N.W.	SE.W.	at 4 PM down broadway			
6	1	-	-	N.W.	SE.W.	at 4 PM down broadway			
8	1	-	-	N.W.	SE.W.	at 4 PM down broadway			
10	1	-	-	N.W.	SE.W.	at 4 PM down broadway			
12	1	-	-	N.W.	SE.W.	at 4 PM down broadway			
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions			
2	4	1	-	NW	NESE	Tuesday 28th			
4	4	-	-	NW	NESE	Forenoon breeze and squally			
6	4	-	-	NW	NESE	with showers of rain at 1 PM			
8	4	1	-	NW	NESE	to the N.W. at 1 PM			
10	4	1	-	NW	NESE	Left me trail out the S.W. side			
12	4	1	-	NW	NESE	Fair and pleasant weather			
2	3	1	-	NW	NESE	at 12 took the Southward			
4	3	1	-	NW	NESE	at 1 PM took to the S.W.ward			
6	3	1	-	NW	NESE	I made sail			
8	3	1	-	NW	NESE	at 3 took to the S.W.ward			
10	4	-	-	SE	NESE	at 10 took to the N.W.ward			
12	4	-	-	NW	NESE	Ends pleasant			
Course		Diff.	Diff. Lat.	Dep.	Lat.by D.R.	Lat.by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions					
2	3	1	-	SW	W	Wednesday 29 <sup>th</sup>					
4	3	1	-			Moderate breeze and pleasant					
6	3	-	-			weather. All Boarding to					
8	-	-	-		Calm	Windward between Bonaholm					
10	3	-	-		West	and the Swedish Coast					
12	2	-	-			Light wind and Calm					
2	2	-	-								
4	-	-	-		Calm						
6	-	-	-			at 11 o'clock Bonaholm bore East					
8	2	-	-	W	North	8 Leagues Dist.					
10	2	-	-		W						
12	2	-	-		W						
Course				Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2	2			West		Thursday 30 <sup>th</sup>		
4					Calm	Light wind of work - -		
6								
8								
10								
12	1			N B. E.	South	Clear and pleasant -		
2	2				Calm	30 sail in sight bound up		
4						the Balthick - - -		
6	1	1		N B. E.	N E			
8	1	1				Ends warm and pleasant		
10	1	1						
12					Calm			
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2	2	1	-	SW	W	Friday 31 <sup>st</sup> May		
4	2	1	-	SW	W	Light wind and clear		
6	2	1	-	SW	W	Westward saw more Island		
8	3	1	-	SW	W	SW by W 5 Leagues Dist.		
10	5					back to the W		
12	5							
2	5					at 11 o'clock bore away to down		
4	5					through the ground at 8		
6						took up 100 a breast of Bags		
8						Four 6 stone more fig 1 weight		
10						North 10 o'clock a breast of Copenhagen		
12								
Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

*This Day Begins*

*September*

H	K	HK	F	Courses	Winds	Transactions
2					<i>North</i>	
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

*This day moderate breezes and pleasant  
Bourding down the sound in company  
With Howard sail  
at 11 pm Anchored in Chennure roads  
Employed in Lifting up our Water casks  
and occasional Dutys*

Courte	Diff.	Diff. Lat.	Dep.	Lat.by D.R.	Lat.by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions
2					<i>N. N. W.</i>	
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

*Moderate winds and warm Weather  
at 9 pm Came to sail with the Winds  
as per Log to beat out the harbor  
at 11 pm a way and at 1 am Came  
to Anchor in Chennure with our  
small Bower*

Courte	Diff.	Diff. Lat.	Dep.	Lat.by D.R.	Lat.by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions
2					<i>N. N. W.</i>	
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

*Moderate and pleasant  
Still waiting for a wind  
Employed in sundry*

Courte	Diff.	Diff. Lat.	Dep.	Lat.by D.R.	Lat.by Ob.	Mer. Diff.	Lon. made	Lon. in

*From Cleburne to Salsby in the year 1787*

H	K	HK	F	Courses	Winds	Transactions		
2					at 10th	Moderate breeze and wind		
4						Pleasant weather		
6						Light winds and clear		
8						at 8th (no to sail in		
10						Company with 100 men		
12						at 10th (no to sail in		
2						Company with 100 men		
4						at 10th (no to sail in		
6						Company with 100 men		
8						at 10th (no to sail in		
10						Company with 100 men		
12						at 10th (no to sail in		
Courfe	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions		
2					Variable	Light breeze and clear		
4						at 10th (no to sail in		
6						Company with 100 men		
8					NW	at 10th (no to sail in		
10					NW	Company with 100 men		
12						at 10th (no to sail in		
2	1			NW	at 10th (no to sail in	Company with 100 men		
4	2			NW	at 10th (no to sail in	Company with 100 men		
6	3			NW	at 10th (no to sail in	Company with 100 men		
8	4			NW	at 10th (no to sail in	Company with 100 men		
10	5			NW	at 10th (no to sail in	Company with 100 men		
12	6			NW	at 10th (no to sail in	Company with 100 men		
Courfe	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courfes	Winds	Transactions		
2	3			WNW	Clear	Light winds and getting strong		
4					Clear	Changing to strong in the evening		
6	2	1		WNW	Clear	at 10th (no to sail in		
8	4			WNW	Clear	at 10th (no to sail in		
10	3	1		WNW	Clear	at 10th (no to sail in		
12	1					at 10th (no to sail in		
2	1					at 10th (no to sail in		
4	1					at 10th (no to sail in		
6						at 10th (no to sail in		
8						at 10th (no to sail in		
10	2	1		WNW	Clear	at 10th (no to sail in		
12	5					at 10th (no to sail in		
Courfe	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

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[illegible]

H	K	HK	F	Courses	Winds	Transactions
2	-	-	-	N.W.	S.E.	Light breeze with
4	-	-	-	N.W.	North	a large swell from the
6	-	-	-	N.W.	V.V. W	south at 1 pm both in
8	-	-	-	N.W.	North	shearing sails -
10	-	-	-	N.W.	North	Strong breeze and
12	-	-	-	N.W.	North	Cloudy kind of yellow
2	-	-	-	N.W.	North	dust and dust clouds
4	-	-	-	N.W.	North	and part of forenoon
6	-	-	-	N.W.	North	at 1 pm both in
8	-	-	-	N.W.	North	sails and sails
10	-	-	-	N.W.	North	
12	-	-	-	N.W.	North	

H	K	HK	F	Courtes	Winds	Transactions
2	1	-	-	NW 1/4	SW 1/4	Sunday the 4 <sup>th</sup>
4	1	-	-	NW 1/4	SW 1/4	French Cruizer sent Cloud
6	1	-	-	NW 1/4	SW 1/4	at 8 pm back to ship, and
8	1	-	-	NW 1/4	SW 1/4	top, sails and sails and stay
10	1	-	-	NW 1/4	SW 1/4	up and back to the ship, and
12	1	-	-	NW 1/4	SW 1/4	top, sails and sails and stay
2	1	-	-	NW 1/4	SW 1/4	up and back to the ship, and
4	1	-	-	NW 1/4	SW 1/4	top, sails and sails and stay
6	1	-	-	NW 1/4	SW 1/4	up and back to the ship, and
8	1	-	-	NW 1/4	SW 1/4	top, sails and sails and stay
10	1	-	-	NW 1/4	SW 1/4	up and back to the ship, and
12	1	-	-	NW 1/4	SW 1/4	top, sails and sails and stay

September 1787

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H	K	HK	F	Courses	Winds	Transactions			
2	4	1	-	NW3W	NW3E	Monday the 10 <sup>th</sup> Day			
4	4	1	-			Fresh breezes and Cloudy			
6	4		-						
8	3		-						
10	2	1	-	NW3W	NW3E	Moderate and Cloudy			
12	2	1	-			at 5 Am Let the 2 <sup>nd</sup> Sheet out			
2	2	1	-	NW2	NW3E	the top sails set top gallant			
4	2	1	-	NW3W	NW3E	sails and stay sail fresh back			
6	1	1	-	NW3E	NW3W	to the Nord			
8	3		-						
10	2	1	-						
12	2	1	-	NW3W	NW3E				
Course		Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
						58° 26'			

H	K	HK	F	Courses	Winds	Transactions					
2	2	1	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 1/2 W	Tuesday the 11 <sup>th</sup> Day Moderate and Cloudy					
4	2	-	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 1/2 W	Spoke the King John Capt					
6	3	-	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 1/2 W	Ingo from Copenhagen bound					
8	2	1	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 1/2 W	At Rhode Island about 15 Days					
10	2	-	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 1/2 W	From Chainure Capt Vinger					
12	2	-	-	N <sup>W</sup> 1/2 W	N <sup>W</sup> 1/2 W	parted Company with Capt					
2	1	1	-	-	Variable	Prince and Splendy on the					
4	1	1	-	North	-	8 <sup>th</sup> pt. both from Copenhagen					
6	2	-	-	N <sup>W</sup> 3/4 E	-	Bound to Rhode Island					
8	3	-	-	N <sup>W</sup> 3/4 E	N <sup>W</sup> 3/4 E	Let the top out the top sails					
10	2	1	-	N <sup>W</sup> 1/2 W	N <sup>W</sup> 3/4 E						
12	2	1	-	-	-						
Course				Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

H	K	HK	F	Courfes	Winds	Tranfactions			
2	1	1	-	West	NW	Wednesday the 12 <sup>th</sup>			
4	3	-	-	NW	NW	Light winds and Cloudy			
6	3	-	-						
8	3	-	-						
10	2	1	-			Smooth sea			
12	2	-	-	NW	NW				
2	1	1	-	NW	NW				
4	2	-	-			at 8 Am Sounded 59 Tallow			
6	3	-	-			of water tack to the N. by			
8	3	1	-						
10	3	1	-						
12	4	-	-	NW	NW				
Course		Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
						59.00			

*September 1784*

H	K	HK	F	Courses	Winds	Transactions			
2	3	-	-	SE	SE	Light breezes and pleasant			
4	2	-	-	SE	SE	Up a Brig. sail			
6	1	-	-	SE	SE	Midland Island			
8	1	-	-	SE	SE	Log boat who informed us			
10	1	-	-	SE	SE	that Danger Bay Head			
12	2	-	-	SE	SE	are NW 1/2 League			
2	2	-	-	SE	SE	Depart 2 pm back to the			
4	2	-	-	SE	SE	Mward at 6 am Fair			
6	2	-	-	SE	SE	Log. Leagues NW 1/2 League			
8	2	-	-	SE	SE	Depart 10 pm back to the			
10	3	-	-	SE	SE	Coast which			
12	3	-	-	SE	SE				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

Variation 2 1/2 West

H	K	HK	F	Courses	Winds	Transactions		
2	3	1	-	SE	SE	Try day the 1st		
4	3	1	-	SE	SE	Small breezes and smooth		
6	3	1	-	SE	SE	sea at 6 pm Fair Off Shore		
8	3	1	-	SE	SE	SE 1/2 E 8 Leagues Dist.		
10	3	1	-	SE	SE	From which I take my		
12	3	1	-	SE	SE	Departure Lat 59° 30' N		
2	3	1	-	SE	SE	Longitude 1° 38' West		
4	3	1	-	SE	SE	at 9 am up the Brig		
6	3	1	-	SE	SE	Betsy Capt. Hancock		
8	4	1	-	SE	SE	From Copenhagen bound		
10	4	1	-	SE	SE	To ahead of the		
12	5	1	-	SE	SE			
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
N 83° W	94	11	93	59° 41'	59° 40'	93	2° 41'	4° 19'

	K	HK	F	Courses	Winds	Transactions			
						<i>Saturday 15</i>			
2	6	1	-	Wx W	SE by E	<i>Brisk breezes and Cloudy at 8 pm took in Steering sails top gallant sails</i>			
4	7	-	-	Wx W	-				
6	7	-	-	Wx W	-				
8	6	-	-	Wx W	-				
10	5	1	-	Wx W	-	<i>Fin breezes and pleasant at 6 am out steering sails top gallant sails stay Cloudy</i>			
12	5	-	-	-	-				
2	1	1	-	-	South				
4	5	-	-	-	SE W				
6	5	1	-	-	-	<i>Cloudy</i>			
8	7	-	-	-	-				
10	7	-	-	-	-				
12	7	1	-	-	-				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
<i>SE 1/2 N</i>		<i>147</i>	<i>13</i>	<i>146</i>	<i>59° 27'</i>	<i>59° 28'</i>	<i>239</i>	<i>4° 44'</i>	<i>9° 3'</i>

September 1787

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H	K	HK	F	Courfes	Winds	Transactions.			
2	4	-	-	West	South	Fresh breezes with a large sea			
4	6	-	-	-	-	from the S.W. at 10 p.m. took			
6	4	1	-	-	S.E.	in steering sails top gal. sails			
8	6	1	-	-	S.E.	and 2 keels in board and Mizzen			
10	7	-	-	-	-	top sails Fresh gails & equally			
12	6	1	-	-	-	hand. main sail and Mizzen			
2	7	-	-	N <sup>W</sup> /2 S	-	top sail at 8 Am. Main sail			
4	7	1	-	-	-	Ends Fresh gails & Rainy			
6	8	-	-	W.B.S	-	-			
8	7	1	-	West	-	-			
10	8	-	-	-	-	-			
12	8	-	-	-	E.S.E.	Variation 2 1/2 West Only			
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

559 W 167 1<sup>st</sup> 26 143 58<sup>00</sup> none 382 4<sup>th</sup> 38 13<sup>45</sup>

H	K	HK	F	Courses	Winds	Transactions		
2	6	1	-	West	E.B.S.	Fresh gails with small rain		
4	7	-	-	-	-	at 8 pm hand. the Main sail		
6	7	-	-	-	E.B.S.	took in the top gal. sail and		
8	7	1	-	-	-	took 2 keels in the Main top sail		
10	8	-	-	-	-	Fresh gails and equally		
12	8	-	-	N $\frac{1}{2}$ S	-	at 6 am out one keel Both		
2	8	-	-	-	E.S.E.	top gails set the Main top Gal.		
4	8	-	-	-	-	sail at Merd set the Main sail		
6	8	-	-	-	-	-		
8	8	-	-	-	-	-		
10	8	-	-	-	-	-		
12	8	-	-	N $\frac{1}{2}$ S	-	Variation 2 $\frac{1}{2}$ West		
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

563 W 195 89 174 56<sup>33</sup> 56<sup>30</sup> 556 5<sup>th</sup> 16 18<sup>57</sup>

H	K	HK	F	Courses	Winds	Transactions					
2	8	-	-	West	S.E.	Fine breezes made sail sent					
4	8	-	-			Down board top gallant yard					
6	7	-	-		S.E.S.	and Mast					
8	6	1	-								
10	7	-	-			Squally with small showers					
12	6	-	-	N <sup>1</sup> / <sub>2</sub> S		of rain					
2	4	1	-			at 6 Am. Let the keels out					
4	-	-	-		Calm	The top sails Ends motion					
6	3	-	-		S.E.						
8	2	1	-								
10	2	-	-		Variable						
12	2	-	-			Variation 2 <sup>1</sup> / <sub>2</sub> West					
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

566 W 113 46 103 53<sup>44</sup> 55<sup>44</sup> 659 3<sup>rd</sup> 00 21<sup>57</sup>

September 1787

H	K	HK	F	Courses	Winds	Transactions
2	3	—	—	West	W. by N.	Light winds with a large swell from the N. N. E.
4	3	—	—	—	—	—
6	3	—	—	—	—	—
8	3	—	—	—	—	—
10	7	—	—	—	—	—
12	7	—	—	—	North	Five breezes —
2	1	—	—	—	—	hand top gallant sails stay sail
4	1	—	—	W. by S.	W. by N.	at 6 pm took 2 Reefs in the top sails
6	1	—	—	W. by S.	W. by N.	—
8	1	—	—	W. by S.	W. by N.	—
10	6	—	—	W. by N.	N. W.	hard squalls with rain
12	6	—	—	S. W. by N.	W. by N.	Variation 2 1/2 West

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
151 W	132	77	25	54 27	54 27	754	2 42	24 3

H	K	HK	F	Courses	Winds	Transactions
2	5	—	—	N. by N.	N. W.	Fresh breezes & hard
4	1	—	—	—	—	—
6	4	—	—	S. W. by N.	S. W. by N.	Squalls shot the jibb
8	3	1	—	—	—	at 9 pm hand 2 main sail
10	3	—	—	—	—	and Mizzen top sail set the
12	3	—	—	—	—	Main stay sail —
2	2	1	—	—	—	—
4	2	1	—	—	—	at Day light made sail
6	2	1	—	—	—	Employed in mending
8	2	1	—	—	—	the jibb —
10	3	—	—	N. by N.	N. W.	—
12	4	—	—	—	—	Variation 2 1/2 West

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
144 W	80	45	66	53 21	53 21	820	1 50	26 29

H	K	HK	F	Courses	Winds	Transactions
2	4	—	—	N. by N.	W. by N.	Moderate and pleasant
4	5	1	—	—	—	took in top gallant sails
6	7	—	—	—	—	took one Reef in the Main
8	8	—	—	—	W. by S.	top sail and 2 Reefs in Mizzen
10	4	1	—	—	—	—
12	7	1	—	—	North	Hard squalls with rain
2	7	—	—	—	—	at 6 pm took the second
4	7	—	—	—	—	Reef in the Main top sail
6	7	1	—	West	—	at 10 hand the Main sail
8	8	—	—	—	W. by N.	and Fore top sail
10	8	—	—	—	—	—
12	6	1	—	N. by S.	—	Variation 2 1/2 West

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
162 W	170	80	150	52 01	51 57	970	4 04	30 33

Long in 30 33

September 1787

(15)

H	K	H	K	F	Courses	Winds	Transactions
2	5	1	-	-	West	N <sup>W</sup> W	Board Gales sent Down
4	4	1	-	-	N <sup>W</sup> S	N <sup>W</sup> W	the top Gall yard at 6 pm
6	4	-	-	-	-	-	handy the Main top sail
8	3	-	-	-	N <sup>W</sup> 2S	-	hard squalls with rain
10	3	-	-	-	-	-	at 4 set the main top sail
12	3	-	-	-	West	N <sup>W</sup> W	at 8 set the Fore top sail and
2	3	-	-	-	-	-	Main sail set the Mizzen top
4	3	-	-	-	-	-	sail Flying Clouds
6	3	-	-	-	-	-	Variation 2 1/2 West
8	3	1	-	-	N <sup>W</sup> S	N <sup>W</sup> W	
10	4	1	-	-	-	-	
12	5	1	-	-	-	-	

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
S 45 N	100	71	71	50° 46'	50° 43'	1041	1° 55'	32° 28'

H	K	H	K	F	Courses	Winds	Transactions
2	5	-	-	-	N <sup>W</sup> S	N <sup>W</sup> W	Fresh breezes and squally
4	5	1	-	-	-	-	at 8 pm took in Mizzen top sail
6	6	1	-	-	-	-	hand the Main sail set the
8	6	-	-	-	-	N <sup>W</sup> W	Main stay sail at 2 am set the
10	5	-	-	-	West	N <sup>W</sup> W	Mizzen top sail
12	5	-	-	-	-	-	More moderate made sail
2	5	1	-	-	N <sup>W</sup> S	N <sup>W</sup> W	Ends Cloudy
4	6	1	-	-	-	-	Variation 2 1/2 West
6	6	1	-	-	-	-	
8	6	1	-	-	-	-	
10	7	-	-	-	-	-	
12	7	-	-	-	-	-	

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
S 65 N	140	59	127	49° 44'	Same	1168	3° 17'	35° 45'

H	K	H	K	F	Courses	Winds	Transactions
2	5	-	-	-	N <sup>W</sup> S	N <sup>W</sup> W	Cloudy and Moderate breezes
4	5	1	-	-	West	N <sup>W</sup> W	with a large swell from
6	6	1	-	-	-	-	The S. & E.
8	6	-	-	-	-	-	Cloudy all thease 24 <sup>th</sup>
10	6	-	-	-	-	-	
12	5	1	-	-	N <sup>W</sup> 2S	-	
2	5	-	-	-	West	-	
4	5	1	-	-	-	-	
6	5	1	-	-	-	-	
8	6	-	-	-	-	-	
10	6	-	-	-	-	-	
12	6	-	-	-	-	-	

Cours	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
S 51 N	136	86	105	48° 18'	48° 18'	1273	2° 40'	38° 25'

September

H	K	HK	F	Courses	Winds	Transactions		
2	4	-	-	N.S.W.	S.W.	Moderate and pleasant		
4	3	1	-	N.W.S.W.	S.W.S.W.			
6	3	1	-	-	-			
8	3	-	-	-	Variable	Cloudy		
10	1	1	-	S.W.	-			
12	2	-	-	N.W.S.	-			
2	2	-	-	S.W.S.W.	-			
4	3	-	-	S.W.	-	at 10 am past a ship standing to the E. ward		
6	3	-	-	N.S.W.	S.W.			
8	4	-	-	-	-			
10	4	-	-	-	-			
12	5	-	-	-	-	Variation 2 1/2 West		
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

160 N 58 30 50 47 48 47 47 1325 1 13 39 38

H	K	HK	F	Courses	Winds	Transactions		
2	4	1	-	N.S.W.	S.W.	Wednesday 26 <sup>th</sup> Moderate and Cloudy at 8 pm hauled top sail - and stay sail - Latter part fresh breeze at 8 pm took the 2 <sup>d</sup> Reef in Each top sail at 10 am hauled the Fore and Main top sail at Mendon wore ship to the South ward - Variation 2 1/2 West		
4	4	1	-	S.W.S.W.	S.W.S.W.			
6	4	1	-	-	-			
8	4	1	-	N.S.W.	S.W.			
10	3	1	-	N 1/2 S	S.S.W.			
12	4	-	-	-	-			
2	5	-	-	N.W.S.	S.W.S.			
4	5	-	-	N.S.W.	S.W.			
6	4	-	-	-	-			
8	5	1	-	S.W.	N.S.W.			
10	4	1	-	S.S.W.	West			
12	4	-	-	-	-			
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

N 42 W 100 30 95 48 47 48 18 1420 2 22 42 00

H	K	HK	F	Courses	Winds	Transactions		
2	2	1	-	S. S. W.	West	Fresh breeze and Cloudy		
4	3	-	-	S. W. S.	W. S. W.	set the top sail		
6	3	-	-	-	-	-		
8	3	-	-	S. W.	W. S. W.	at 12 Am took to the Main		
10	2	1	-	-	-	Let one Reef out the top and		
12	2	1	-	S. W. S.	W. S. W.	made easy and Main		
2	2	1	-	South	Variable	-		
4	2	-	-	W. S. W.	-	-		
6	1	1	-	West	S. E.	at 3 Am took one Reef in		
8	6	-	-	-	S. W.	both top sail		
10	4	-	-	W. S. W.	S. W.	-		
12	3	1	-	-	-	Variation 2 1/2 West		
Course	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

S 36 W 37 30 22 47 48 47 50 1442 0 32 12 32

September 1786

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H	K	HK	F	Courses	Winds	Transactions
2	3	1	-	N. N. W.	West	Small Breezes and Rain at 2pm
4	4	-	-	N. N. W.	N. N. W.	None ship to the N. ward hand
6	3	1	-	-	-	squales hand the Mizen top sail
8	4	-	-	N. B. S.	N. W. W. S.	and Close Reef the Main and
10	4	1	-	-	-	Fore top sail
12	4	1	-	-	-	Flying Clouds pleasant weather
2	4	1	-	N. W. S.	N. N. W.	at 10pm Let one Reef out the
4	4	-	-	-	-	top sails set the Main top Mast
6	4	-	-	West	North	stay sail at 6am Let the Reefs
8	3	-	-	-	-	out the Main top sail set up the
10	2	1	-	-	-	Mizen top sail at 7am
12	2	-	-	-	-	Variation 2 1/4 West

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
S 49 W	80	52	60	46.58	46.57	1502	1.28	44.00

H	K	HK	F	Courses	Winds	Transactions
2	2	-	-	N. N. W.	N. W. W.	Moderate and pleasant weather
4	1	-	-	S. W.	N. W. W.	At 6pm tack to the N. W.
6	2	1	-	S. W.	West	at 10pm tack to the Southward
8	2	1	-	N. W. W.	N. W. S.	at 3am tack to the N. W.
10	3	-	-	N. W. W.	West	at 4am took in the top Gale sail
12	2	-	-	S. W.	N. W. S.	Took one Reef in the Main top sail
2	2	-	-	-	-	Ends Cloudy with small rain
4	3	-	-	N. W. W.	N. W. W.	
6	3	1	-	-	-	
8	4	-	-	-	-	
10	4	-	-	N. W.	N. W. W.	
12	4	-	-	-	-	Variation 2 1/4 West

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
N 35 W	33	27	19	47.24	none	1521	0.39	44.39

H	K	HK	F	Courses	Winds	Transactions
2	3	1	-	N. N. W.	West	Moderate and Thick weather
4	3	-	-	S. W. W.	N. W. W.	at 2pm tack to the S. ward
6	3	-	-	N. W.	N. W.	at 10pm Let the Reefs out
8	2	1	-	-	-	The top sails Clear and
10	2	1	-	-	-	pleasant
12	3	-	-	S. W.	West	Thick and Foggy
2	1	1	-	-	-	
4	1	1	-	-	-	
6	-	-	-	West	South	
8	2	1	-	N. W.	S. W. W.	
10	2	1	-	N. W. W.	S. W. W.	
12	3	-	-	-	-	Variation 2 1/4 West

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
S 53 W	29	18	23	47.06	none	1544	0.34	45.13

October the 1 day 1787

H	K	HK	F	Courfes	Winds	Transactions
2	3	-	-	N.W.	N.W.	Monday the 1 day
4	3	-	-	N.W.	N.W.	Moderate and foggy weather
6	4	1	-	N.W.	N.W.	took in top Gallant Main Gills
8	3	1	-	-	-	top Mast stay sail at 4 pm
10	4	-	-	-	-	took the 2 <sup>d</sup> reef in the top
12	4	-	-	N.W.	N.W.	sails - - -
2	3	1	-	N.W.	N.W.	Fresh breezes and Boudy
4	4	-	-	N.W.	N.W.	at 8 Wore to theeward
6	3	1	-	N.W.	N.W.	
8	3	-	-	N.W.	N.W.	
10	3	-	-	-	-	
12	3	1	-	-	-	Variation 2 points
Course Diff. Diff. Lat. Dep. Lat. by D.R. Lat. by Ob. Mer. Diff. Lon. made Lon. in						

N 80 W 56 10 55 47.16 47.14 1599 1.20 46.33

H	K	HK	F	Courfes	Winds	Transactions		
2	3	-	-	SW by N	W by N	Tuesday the 2d		
4	3	1	-			Fresh breezes and a		
6	4	-	-			Large red sea a brig		
8	4	1	-			steering to the Eward		
10	4	1	-			at 10 pm let on Reef out		
12	4	1	-			Top and Main top sail		
2	4	1	-			Clear and pleasant		
4	5	1	-	SW	N by N	Cloudy and the Moon		
6	4	1	-			top sail		
8	5	-	-	SW by S	N by N			
10	5	1	-	SW by N	N by N	Variation 2 points		
12	6	-	-	SW by N	N by N			
Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

South 115 1.55 00 45.21 45.17 1599 0.00 46.33

H	K	F	Courfes	Winds	Tranfactions
2	3	-			Wednesday the 3.
4	5	-	SW	NW	Moderate and Budy
6	4	-	SW	NW	all these 24 H
8	4	-	SW	NW	
10	4	1			
12	4	1	SW	NW	at 8 am took ship to the
2	4	-			Sward Let on Reef out
4	4	-			the Main top sail
6	4	-	SW	NW	at Mer Duck to the W. ward
8	3	1			
10	3	1	W		
12	4	-			Variation 2 points

N 114 W 70 1.08 17 44.09 44.06 1616 0.23 46.56

October the 1st day 1727

H	K	HK	F	Courses	Winds	Transactions						
2	3	—	—	NW 3/4 N	NW 3/4 N	Thursday the 4 day						
4	3	—	—	NW 1/2	NW 1/2	Modeste and Popdy						
6	3	—	—	—	—	(17)						
8	2	1	—	—	—							
10	3	—	—	—	—	at 10pm tack to the Sward						
12	3	—	—	N 3/4 N	NW 1/2	Cloudy						
2	2	1	—	NW 1/2	West	at 4 Am Maid sail						
4	2	1	—	—	—	Very pleasant weather						
6	3	—	—	—	—	Variation 2 points						
8	3	1	—	N 1/2	N 1/2							
10	4	1	—	—	—							
12	5	—	—	N 1/4 N	—							
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
N 55 N				40	23	33	44	32	43	43	1649	On 46 47 42

H	K	HK	F	Courses	Winds	Transactions		
2	6	-	-	N 1/2 N	South	Friday the 5 day		
4	-	-	-	-	-	Pleasant breeze and fine		
6	8	-	-	-	-	Weather at 6pm hand 1/2 p 1/2		
8	8	-	-	-	SE	sail stay sails and took the		
10	7	-	-	-	-	2 Press in each top sail		
12	8	-	-	-	South	Fresh breezes and flying		
2	7	-	-	-	-	Clouds rounded no bottom		
4	7	-	-	-	-	60 Fathom line ends modic		
6	7	-	-	-	-	and of maine		
8	7	-	-	N 1/2 N	-	Variation 2 points		
10	5	-	-	Variable	az of maine			
12	-	-	-	-	-			
Variation 2 points								
Cours	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob	Mer. Diff.	Lon. made	Lon. in

West		158	00	158	43-43	Scene	1807	3-47	51-29		
H	K	HK	F	Courses	Winds	Transactions					
2	3	-	-	N. x N.	North	Saturday the 6					
4	3	-	-	N. x N.	-	Mediante and amplain					
6	3	-	-	N. x N.	-	at 6pm rounded no bottom					
8	3	-	-	-	-	60 Fathom Line - -					
10	3	-	-	-	-						
12	2	1	-	-	N. x E.	Mediante and Pleasant					
2	2	-	-	-	-	at 4 Am rounded in 26 Fathoms					
4	2	1	-	-	-	Winter. at 8 by- by Coight					
6	3	-	-	-	-	sucari Coft and had work.					
8	2	-	-	-	-	Variation 2 points					
10	1	-	-	West	-						
12	2	-	-	-	-						
Course		Diff.		Diff. Lat.		Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
N 76 W		58		14		36	43-57	43-58	1863	1-18	52-47

October -

H	K	HK	F	Courses	Winds	Transactions	Sunday the 7 <sup>th</sup>			
2	2	-	-	W B N	North	Medante and pleasant				
4	2	1	-			at 18 pm took in top mast				
6	3	-	-	W x N	E x E	steering sail				
8	3	-	-							
10	2	-	-			Cloudy				
12	1	1	-			at 4 1/2 pm rounded in 40 fathoms				
2	2	-	-	J C		warter at Mer took the 2 <sup>d</sup>				
4	4	-	-		South	trups in each top sail rounded				
6	4	1	-			in 69 fathoms warter				
8	6	1	-							
10	6	1	-							
12	6	1	-		SW	Variation 2 points				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

West 88 000 88 43 58 None 1951 1 36 54 43

H	K	HK	F	Courses	Winds	Transactions	Monday the 8 <sup>th</sup>			
2	4	1	-	W B N	Variable	Fresh breezes off rain				
4	4	1	-	West	N x N	at 11 pm the wind in a gust				
6	5	-	-	W B N	N B W	to the N, ward but the 2 <sup>d</sup>				
8	6	-	-			trup out the top sail				
10	6	-	-							
12	5	1	-	W 1/2 N		Flying Clouds				
2	5	-	-	W B S	N W N	Quickly took the 2 <sup>d</sup> trups				
4	3	1	-	W S W	N W	in the top sails				
6	4	-	-							
8	4	-	-							
10	4	-	-	W S W						
12	5	-	-			Variation 2 points				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

W 1/2 N 108 52 94 43 06 43 6 2045 2 18 57 01

H	K	HK	F	Courses	Winds	Transactions	Tuesday the 9 <sup>th</sup>			
2	4	-	-	W S W	N W	All these 24 <sup>th</sup> Fresh				
4	4	-	-			breezes with hard				
6	4	-	-	W B S	N W N	squalls				
8	4	1	-							
10	4	1	-	West	N x N	sent Down top Gallant				
12	4	-	-	W 1/2 S		yard and head Bar and				
2	4	1	-	W B S	N W N	Mizen top sails at 10 am				
4	5	-	-							
6	4	1	-	W B S	N W	Wear ship to the N, ward				
8	4	1	-	W S W	N W					
10	3	1	-							
12	4	-	-	N x E		Variation 2 points				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

W 1/2 N 86 59 63 42 07 42 8 2108 1 34 58 3

October

(18)

H	K	HK	F	Courses	Winds	Tranfactions	Wednesday 10 day			
2	4	-	-	W N E	W N W	Fresh breezes with squalls				
4	4	-	-	W N E	W N W	of rain at 6pm Wear ship				
6	3	1	-	-	-	to the Hward				
8	3	1	-	SW	W N W	at 12 hauled the Main sail &				
10	3	1	-	-	-	Main top sail				
12	3	1	-	-	-	Clear and Pleasant				
2	3	-	-	-	-	at 6pm Wear ship and				
4	2	1	-	SW N W	W N W	Main sail				
6	3	-	-	W N E	-	Variation 2 points				
8	3	-	-	-	-					
10	3	-	-	North	W N W					
12	3	-	-	-	-					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

W 63 E 16 1 M 16 42 09 42 10 20 92 0 24 58 11

H	K	HK	F	Courses	Winds	Tranfactions	Thursday 11			
2	2	1	-	W N W	W N W	Moderate and Pleasant				
4	2	-	-	-	-	Weather				
6	1	-	-	-	-	Calm and Bazy				
8	-	-	-	-	-					
10	1	-	-	-	-					
12	1	-	-	-	-					
2	-	-	-	-	-					
4	-	-	-	-	-					
6	1	-	-	W N W	East	Light airs by times				
8	1	-	-	-	-	Variation 2 points				
10	-	-	-	-	-					
12	1	1	-	-	-					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

W 13 W 21 20 5 42 30 None 20 7 0 7 58 18

H	K	HK	F	Courses	Winds	Tranfactions	Friday the 12 day			
2	3	1	-	W N S	W N W	Cloudy and Fresh breezes				
4	4	1	-	West	W N W	at 4pm took the 1 keels				
6	4	-	-	W N S	W N W	in the top sails				
8	6	-	-	-	-	at 10pm took the 2 keels in				
10	5	1	-	W N W	North	main top sails				
12	5	1	-	-	-	Fresh breezes and Pleasant				
2	6	-	-	-	-	Variation 2 points				
4	5	-	-	-	-					
6	6	-	-	-	-					
8	6	1	-	-	-					
10	7	-	-	-	-					
12	7	-	-	-	-					
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	

W 11 W 12 20 12 7 42 10 12 8 22 19 3 10 61 21

*October 1787*

H	K	HK	F	Courfes	Winds	Transactions
2	7	-	-	Wb. N. E.	W. N. E.	Fresh breezes and Pleasant
4	7	-	-	-	-	Weather -
6	7	-	-	-	-	-
8	5	-	-	W. N. E.	-	at 8pm Let the 2 <sup>d</sup> Reef out
10	5	1	-	W. N. E.	-	the top sails -
12	5	1	-	W. N. E.	N. W.	Mediante and Pleasant
2	5	1	-	W. N. E.	-	at 6am out Reef saw a
4	5	-	-	-	-	Shooner steering to the N. W.
6	5	-	-	W. N. E.	-	sent up top gallant yard
8	4	1	-	W. N. E.	N. W.	-
10	3	1	-	W. N. E.	N. W.	-
12	3	-	-	-	-	Variation 1 1/2 points

Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon.
182 N	12.5	18.1	124	41-50	41-30	2343	3-5	64-20

H	K	HK	F	Courfes	Winds	Transactions
2	1	1	-	W. N. E.	N. W. E.	Light winds and Cloudy
4	1	-	-	-	-	at 4pm stop at fishing
6	1	-	-	-	-	Shooner from the Land
8	1	1	-	N. W. W.	N. W.	belonging to Bedford but
10	4	-	-	-	-	Could gain no information
12	3	1	-	-	-	of the Baring and Dist of
2	2	-	-	-	-	the Land at 6am took
4	2	-	-	N. W.	N. W.	the 2 <sup>d</sup> Reef in the top sail
6	4	-	-	N. W. E.	N. W.	-
8	4	1	-	N. W. E.	N. W.	-
10	3	1	-	N. W. E.	N. W.	-
12	3	1	-	N. W. E.	N. W.	Variation 1 1/2 points

Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon.
N 63 N	12	19	37	42-9	42-8	2380	0-50	65-16

H	K	HK	F	Courfes	Winds	Transactions
2	4	-	-	N. W. E.	N. W.	Fresh breezes and Pleasant
4	4	-	-	-	-	Weather -
6	3	1	-	-	-	-
8	4	-	-	-	-	Mediante and Cloudy
10	3	1	-	N. W. E.	N. W. E.	Let one Reef out the top sail
12	3	-	-	West	N. W.	-
2	3	1	-	-	-	at 6am out Reef out the
4	4	-	-	N. W. E.	-	four top sail to the Yell.
6	3	-	-	N. W. E.	N. W.	& top Gallant sail -
8	2	1	-	West	N. W.	-
10	2	1	-	N. W. E.	N. W.	-
12	3	-	-	-	-	Variation 1 1/2 points

Courfe	Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon.
158 N	61	32	52	41-36	41-35	2432	1-19	66-25

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H	K	HK	F	Courses	Winds	Transactions	Tuesday the 16 day			
2	2	-	-	W. C.	W. W.	Almost Calm	Spoke fishing			
4	1	-	-	-	Calm	Boomer belonging to Cape Cod				
6	-	-	-	-	-	from bank Quashed				
8	-	-	-	-	-	out keeps	Changeable weather			
10	-	-	-	-	-	squally, Light, thunder showers				
12	3	1	-	W. W. S. W.	S. E.	Prain kept and handed the				
4	3	1	-	-	-	North	Variable			
6	2	-	-	-	-	top sails and main sail				
8	3	1	-	-	-	at 6 Am maid sail				
10	3	-	-	-	-	-				
12	3	-	-	W. C. S. W.	W. W.	Variation 1 1/2 points				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
W. 66 N.		41	3.8	17	42.13	W. 66	24	49 0.25	66.50	

H	K	HK	F	Courses	Winds	Transactions	Wednesday the 17			
2	3	-	-	W. C.	W. W. S. W.	Fresh breezes and Clouds				
4	4	-	-	North	W. W.	hard squales with showers				
6	3	1	-	-	-	of hail and rain				
8	3	1	-	W. C. N.	W. W. S. W.	-				
10	3	-	-	-	-	-				
12	3	-	-	W. W. S. W.	W. W.	at 8 Am hand the main sail				
2	3	-	-	W. C. W.	W. W. S. W.	and wear ship to the W. ward				
4	3	-	-	W. W. S. W.	W. W.	Ends fresh gails and a large				
6	3	1	-	W. C. S. W.	W. W. S. W.	Bay				
8	3	1	-	W. C. S. W.	W. W.	-				
10	2	-	-	W. C. S. W.	W. W.	-				
12	2	-	-	-	-	Variation 1 1/2 West				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
W. 27 C.		51	45	23	42.58	42.55	24	26 0.31	66.19	

H	K	HK	F	Courses	Winds	Transactions	Thursday the 18 day			
2	2	1	-	W. C. S.	W. W. S. W.	Fresh gails at 1 pm off the main				
4	3	1	-	W. C. S.	W. W.	sail Hoar top mast stay sail				
6	3	1	-	W. C. S.	W. W.	hard squales hand the main				
8	3	1	-	-	-	sail top mast stay sail				
10	2	-	-	-	-	-				
12	2	-	-	-	-	-				
2	2	-	-	W. C. S.	W. W. S. W.	at 6 Am set the main sail				
4	2	-	-	-	-	and top mast stay sail				
6	2	-	-	-	-	Ends squally with hail				
8	3	1	-	-	-	-				
10	3	1	-	W. C. S.	W. W.	-				
12	4	-	-	-	-	Variation 1 1/2 points				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in	
S. 45 N.		68	48	48	42.7	42.6	24	74 1.11	67.30	

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H	K	HK	F	Courses	Winds	Transactions			
2	3	--	--	N. S. W.	N. W.	Fresh breezes and Cloudy			
4	3	3	--	--	--	at 8 p.m. set the main top sail			
6	3	--	--	--	--	Clear and pleasant			
8	3	--	--	N. B. S.	N. W. B. S.	set the top sail			
10	3	--	--	West.	N. W.	at 6 am let the kee out			
12	3	--	--	--	--	the top sail set the jibb and			
2	3	3	--	N. B. S.	N. W. B. S.	top mast stay sail			
4	4	--	--	--	--	at 10 am tack to the N. East			
6	3	1	--	N. S. W.	N. W.	at Merid. tack to the W. ward			
8	3	--	--	--	--	Variation 1 1/2 points			
10	3	1	--	--	--				
12	4	--	--	N. E. B. S.	N. W. B. S.				
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
S 47 N		64	44	47	41-22	41-23	2521	1-10	68-40

H	K	HK	F	Courses	Winds	Transactions			
2	3	--	--	WSW	WN	Moderate and Cloudy			
4	1	--	--	North	--				
6	2	--	--	N.E.W	N.W.S.W				
8	2	--	--	--	--				
10	1	1	--	--	--	Calm and hazy			
12	1	--	--	--	--				
2	--	--	--	--	Calm	Lights are sent up top			
4	--	--	--	--	--	Pull out yard set the sail			
6	--	--	--	--	--				
8	--	--	--	--	--				
10	2	2	--	WN	East	set steering sails			
12	2	--	--	--	--	Variation 1 point			
Course		Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
North 6		6	0	41-29	41-29	2521	000	68-40	

H	K	HK	F	Courses	Winds	Transactions					
2	2	-	-	N.W.S.W.	N.E.	Fine pleasant weather					
4	3	-	-	-	-	at 12 took in steering sails					
6	4	-	-	-	-	sounded in 34 Fathoms water					
8	4	-	-	-	-	on Georges bank at 2 am					
10	5	-	-	-	-	sounded in as a low at 4					
12	6	-	-	N.W.W.	N.E.B.E.	no bottom with 70 Fathoms					
2	6	-	-	-	-	Line -					
4	6	-	-	-	-	lost Cables -					
6	7	-	-	N.W.S.W.	-	Variation 1 point					
8	6	1	-	N.W.	East						
10	6	-	-	-	-						
12	6	-	-	N.W.S.W.	-						
Course				Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in
S 50 W				121	78	92	42-47	42-46	2613	2-06	70-46

October the 22 Day 1787

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Monday the 22 day

H	K	HK	F	Courses	Winds	Transactions
2						
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

Cours	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions
2						
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

Cours	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

H	K	HK	F	Courses	Winds	Transactions
2						
4						
6						
8						
10						
12						
2						
4						
6						
8						
10						
12						

Cours	Diff.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lon. made	Lon. in

